

Literature Cited

- Allen, B. M., and R. P. Angliss. 2012. Alaska Marine Mammal Stock Assessments. NMFS.
- Allen, B. M., and R. P. Angliss. 2014a. Alaska Marine Mammal Stock Assessments. NMFS.
- Allen, B. M., and R. P. Angliss. 2014b. Humpback whale (Central North Pacific Stock) Stock Assessment Report. NMFS.
- Allen, B.M. and R.P. Angliss. 2014c. Alaska marine mammal stock assessments, 2013. NOAA Technical Memorandum NMFS-AFSC-277, National Marine Fisheries Service: 304.
- ANSI (American National Standards Institute). 1986. Methods of measurement for impulse noise 3 (ANSI S12.7-1986). Acoustical Society of America, Woodbury, NY.
- ANSI. 1995. Bioacoustical terminology (ANSI S3.20-1995). Acoustical Society of America, Woodbury, NY.
- ANSI. 2005. Measurement of sound pressure levels in air (ANSI S1.13-2005). Acoustical Society of America, Woodbury, NY.
- Au, W.W.L., A.A. Pack, M.O. Lammers, L.M. Herman, M.H. Deakos, and K. Andrews. 2006. Acoustic properties of humpback whale songs. *Journal of Acoustical Society of America* **120** (2):1103-1110.
- Au, W.W.L. and M.C. Hastings. 2008. *Principles of Marine Bioacoustics*. Springer, New York.
- Blackwell, S.B. and C.R. Greene. 2002. Acoustic measurements in Cook Inlet, Alaska, during August 2001. Greeneridge Report 271-1, Prepared by Greeneridge Sciences, Inc. for National Marine Fisheries Service: 42.
- Blackwell, S.B., J.W. Lawson, and M.T. Williams. 2004. Tolerance by ringed seals (*Phoca hispida*) to impact pipe-driving and construction sounds at an oil production island. *Journal of the Acoustical Society of America* **115** (5):2346.
- Bonnell, M.L., M.O. Pierson, and G.D. Farrens. 1983. Pinnipeds and sea otters of central and northern California, 1980-1983: Status, abundance and distribution. Prepared by Center for Marine Studies, University of California for Minerals Management Service: 220.
- Brown, R.F. 1988. Assessment of pinniped populations in Oregon: April 1984 to April 1985. NWAFC Processed Report 88-05, National Marine Fisheries Service: 54.
- Burdin, A.M., A.L. Bradford, G.A. Tsidulko, and M. Sidorenko. 2011. Status of western gray whales off northeastern Sakhalin Island and eastern Kamchatka, Russia in 2010. Scientific Committee report SC/63/BRG8, International Whaling Commission: 10.

- Burg, T.M. 1996. Genetic analysis of eastern Pacific harbour seals (*Phoca vitulina richardsi*) from British Columbia and parts of Alaska using mitochondrial DNA and microsatellites. M.S. thesis. University of British Columbia: 77.
- CALTRANS. 2012. Technical Guidance for Assessment and Mitigation of the Hydroacoustic Effects of Pile Driving on Fish. Sacramento CA.
- Carlson, T.J., D.L. Woodruff, G.E. Johnson, N.P. Kohn, G.R. Ploskey, M.A. Weiland, et al. 2005. Hydroacoustic measurements during pile driving at the Hood Canal Bridge, September through November 2004. PNWD-3621, Prepared by Battelle Marine Sciences Laboratory for the Washington State Department of Transportation: 165.
- Carretta, J.V., E. Oleson, D.W. Weller, A.R. Lang, K.A. Forney, J. Baker, et al. 2014. U.S. Pacific marine mammal stock assessments: 2013. NOAA Technical Memorandum NMFS-SWFSC-532, National Marine Fisheries Service: 414.
- Clark, C.W., W.T. Ellison, B.L. Southall, L. Hatch, S.M. Van Parijs, A. Frankel, and D. Ponirakis. 2009. Acoustic masking in marine ecosystems: intuitions, analysis, and implication. *Marine Ecology Progress Series* **395**:201-222.
- Committee on Taxonomy. 2014. List of marine mammal species and subspecies. Society for Marine Mammalogy, www.marinemammalscience.org, accessed on July 14, 2014.
- Cox, T.M., T.J. Ragen, A.J. Read, E. Vos, R.W. Baird, K. Balcomb, et al. 2006. Understanding the impacts of anthropogenic sound on beaked whales. *Journal of Cetacean Research and Management* **7** (3):177-187.
- Dahlheim, M.E., A. Schulman-Janiger, N. Black, R. Ternullo, D. Ellifrit, and K.C. Balcomb. 2008. Eastern temperate North Pacific offshore killer whales (*Orcinus orca*): Occurrence, movements, and insights into feeding ecology. *Marine Mammal Science* **24** (3):719-729.
- Finneran, J.J., C.E. Schlundt, D.A. Carder, J.A. Clark, J.A. Young, J.B. Gaspin, and S.H. Ridgway. 2000. Auditory and behavioral responses of bottlenose dolphins (*Tursiops truncatus*) and a beluga whale (*Delphinapterus leucas*) to impulsive sounds resembling distant signatures of underwater explosions. *Journal of the Acoustical Society of America* **108** (1):417-431.
- Finneran, J.J., C.E. Schlundt, R. Dear, D.A. Carder, and S.H. Ridgway. 2002. Temporary shift in masked hearing thresholds in odontocetes after exposure to single underwater impulses from a seismic watergun. *Journal of the Acoustical Society of America* **111** (6):2929.
- Finneran, J.J., R. Dear, D.A. Carder, and S.H. Ridgway. 2003. Auditory and behavioral responses of California sea lions (*Zalophus californianus*) to single underwater impulses from an arc-gap transducer. *Journal of the Acoustical Society of America* **114** (3):1667.
- Finneran, J.J., D.A. Carder, C.E. Schlundt, and S.H. Ridgway. 2005. Temporary threshold shift in bottlenose dolphins (*Tursiops truncatus*) exposed to mid-frequency tones. *Journal of the Acoustical Society of America* **118** (4):2696-2705.
- Foote, A.D., R.W. Osborne, and A.R. Hoelzel. 2004. Whale-call response to masking boat noise. *Nature* **428**:910.

- Frasier, T.R., S.M. Koroscil, B.N. White, and J.D. Darling. 2011. Assessment of population substructure in relation to summer feeding ground use in the eastern North Pacific gray whale. *Endangered Species Research* **14** (1):39-48.
- Fritz, L. W., K. L. Sweeney, D. Johnson, and T. S. Gelatt. 2015. Results of Steller Sea Lion Surveys in Alaska, June-July 2014. National Marine Mammal Laboratory.
- Fritz, L., M. Lynn, E. Kunisch, and K. Sweeney. 2008. Aerial, ship, and land-based surveys of Steller sea lions (*Eumetopias jubatus*) in Alaska, June and July 2005-2007. NOAA Technical Memorandum NMFS-AFSC-183, National Marine Fisheries Service: 70.
- Gearin, P., R. Pfeifer, and S. Jeffries. 1986. Control of California sea lion predation of winter-run steelhead at the Hiram M. Chittenden Locks, Seattle, December 1985-April 1986 with observations on sea lion abundance and distribution in Puget Sound. Fishery Management Report 86-20, Washington Department of Game: 125.
- Gordon, J., D. Gillespie, J. Potter, A. Frantzis, M.P. Simmonds, R. Swift, and D. Thompson. 2003. A review of the effects of seismic surveys on marine mammals. *Marine Technology Society Journal* **37** (4):16-34.
- Gosho, M., P. Gearin, R. Jenkinson, J. Laake, L. Mazzuca, D. Kubiak, et al. 2011. Movements and diet of gray whales (*Eschrichtius robustus*) off Kodiak Island, Alaska, 2002-2005. Scientific Committee Report SC/M11/AWMP2, International Whaling Commission: 12.
- Gulland, F.M.D., H. Perez-Cortes M., J. Urban R., L. Rojas-Bracho, G. Ylitalo, J. Weir, et al. 2005. Eastern North Pacific gray whale (*Eschrichtius robustus*) unusual mortality event, 1999-2000. NOAA Technical Memorandum NMFS-AFSC-150, National Marine Fisheries Service: 44.
- Hanser, S., E. Becker, L. Wolski, and A. Kumar. 2015. Pacific Navy marine species density database: Technical report. Naval Facilities Engineering Command: 488.
- Harris, C.M. (ed.). 1998. Handbook of Acoustical Measurements and Noise Control. Acoustical Society of America, Woodbury, NY.
- Hastings, M.C. and A.N. Popper. 2005. Effects of sound on fish. Prepared by Jones & Stokes for the California Department of Transportation: 82.
- HDR, Inc. 2012. Naval Base Kitsap at Bangor Test Pile Program Final Marine Mammal Monitoring Report. Prepared by HDR, Inc. for Naval Facilities Engineering Command Northwest: 231.
- Hemilä, S., S. Nummela, A. Berta, and T. Reuter. 2006. High-frequency hearing in phocid and otariid pinnipeds: An interpretation based on inertial and cochlear constraints (L). *Journal of the Acoustical Society of America* **120** (6):3463-3466.
- Hildebrand, J.A. 2009. Anthropogenic and natural sources of ambient noise in the ocean. *Marine Ecology Progress Series* **395**:5-20.
- Holt, M.M., D.P. Noren, V. Veirs, C.K. Emmons, and S. Veirs. 2009. Speaking up: Killer whales

(*Orcinus orca*) increase their call amplitude in response to vessel noise. Journal of the Acoustical Society of America **125** (1):EL27-32.

Illingworth & Rodkin. 2012. Naval Base Kitsap at Bangor Test Pile Program: Acoustic monitoring report. Prepared by Illingworth & Rodkin, Inc. for Department of the Navy: 128.

ISO (International Organization for Standardization). 2003. Acoustics – Description, measurement and assessment of environmental noise – Part 1: Basic quantities and assessment procedures (ISO 1996-1:2003(E)). International Organization for Standardization, Geneva.

Kastak, D., R.J. Schusterman, B.L. Southall, and C.J. Reichmuth. 1999. Underwater temporary threshold shift induced by octave-band noise in three species of pinniped. Journal of the Acoustical Society of America **106** (2):1142-1148.

Kastelein, R.A., P. Wensveen, L. Hoek, and J.M. Terhune. 2009. Underwater hearing sensitivity of harbor seals (*Phoca vitulina*) for narrow noise bands between 0.2 and 80 kHz. Journal of the Acoustical Society of America **126** (1):476-483.

Kelly, B.P. 1981. Pelage polymorphism in Pacific harbor seals. Canadian Journal of Zoology **59** (7):1212-1219.

Ketten, D.R. and D.C. Mountain. 2009. Beaked and baleen whale hearing: Modeling responses to underwater noise. Report No. NPS-OC-09-005, Naval Postgraduate School: 34.

Kryter, K.D. 1985. The Effects of Noise on Man. Academic Press, New York.

Kyhn, L.A., J. Tougaard, F. Jensen, M. Wahlberg, G. Stone, A. Yoshinaga, et al. 2009. Feeding at a high pitch: Source parameters of narrow band, high-frequency clicks from echolocating off-shore hourglass dolphins and coastal Hector's dolphins. Journal of the Acoustical Society of America **125** (3):1783-1791.

Kyhn, L.A., F.H. Jensen, K. Beedholm, J. Tougaard, M. Hansen, and P.T. Madsen. 2010. Echolocation in sympatric Peale's dolphins (*Lagenorhynchus australis*) and Commerson's dolphins (*Cephalorhynchus commersonii*) producing narrow-band high-frequency clicks. Journal of Experimental Biology **213** (11):1940-1949.

Laake, J., A. Punt, R. Hobbs, M. Ferguson, D. Rugh, and J. Breiwick. 2009. Re-analysis of gray whale southbound migration surveys 1967-2006. NOAA Technical Memorandum NMFS-AFSC-203, National Marine Fisheries Service: 65.

Lamont, M.M., J.T. Vida, J.T. Harvey, S. Jeffries, R. Brown, H.H. Huber, et al. 1996. Genetic substructure of the Pacific harbor seal (*Phoca vitulina richardsi*) off Washington, Oregon, and California. Marine Mammal Science **12** (3):402-413.

Lang, A.R., D.W. Weller, R. LeDuc, A.M. Burdin, V.L. Pease, D. Litovka, et al. 2011a. Genetic analysis of stock structure and movements of gray whales in the eastern and western North Pacific. Scientific Committee report SC/63/BRG10, International Whaling Commission: 20.

Lang, A.R., B.L. Taylor, J.C. Calambokidis, V.L. Pease, A. Klimek, J. Scordino, et al. 2011b. Assessment of stock structure among gray whales utilizing feeding grounds in the Eastern North Pacific. Scientific Committee Report SC/M11/AWMP4, International Whaling

Commission: 22.

Laughlin, J. 2007. Underwater sound levels associated with driving steel and concrete piles near the Mukilteo Ferry Terminal. Washington State Department of Transportation: 67.

Laughlin, J. 2010. Airborne noise measurements (A-weighted and unweighted) during vibratory pile installation. Memorandum, 21 June 2010, Washington State Department of Transportation: 10.

Laughlin, J. 2011. Port Townsend Dolphin timber pile removal – vibratory pile monitoring. Memorandum, 3 January 2011, Washington State Department of Transportation: 5.

Laughlin, J. 2012. Compendium of background sound levels for ferry terminals in Puget Sound. Washington State Department of Transportation: 35.

Le Boeuf, B.J., H. Pérez-Cortés M., J. Urbán R., B.R. Mate, and F. Ollervides U. 2000. High gray whale mortality and low recruitment in 1999: Potential causes and implications. *Journal of Cetacean Research and Management* **2** (2):85-99.

Loughlin, T.R., D.J. Rugh, and C.H. Fiscus. 1984. Northern sea lion distribution and abundance: 1956-80. *Journal of Wildlife Management* **48** (3):729-740.

Loughlin, T.R. 1997. Using the phylogeographic method to identify Steller sea lion stocks. *Molecular Genetics of Marine Mammals Special Publication* **3**:159-171.

Lowry, M.S. and O. Maravilla-Chavez. 2005. Recent abundance of California sea lions in western Baja California, Mexico and the United States. Pages 485-497 *in* D.K. Garcelon and C.A. Schwemm (eds.). *Proceedings of the Sixth California Islands Symposium*, Ventura, California, December 1-3, 2003. National Park Service Technical Publication CHIS-05-01. Institute for Wildlife Studies, Arcata, California.

Lucifredi, I. and P.J. Stein. 2007. Gray whale target strength measurements and the analysis of the backscattered response. *Journal of the Acoustical Society of America* **121** (3):1383-1391.

Lucke, K., U. Siebert, P.A. Lepper, and M. Blanchet. 2009. Temporary shift in masked hearing thresholds in a harbor porpoise (*Phocoena phocoena*) after exposure to seismic airgun stimuli. *Journal of the Acoustical Society of America* **125** (6):4060.

Lusseau, D. and L. Bejder. 2007. The long-term consequences of short-term responses to disturbance experiences from whalewatching impact assessment. *International Journal of Comparative Psychology* **201** (2-3):228-236.

Malme, C.I., P.R. Miles, C.W. Clark, P. Tyack, and J.E. Bird. 1984. Investigations of the potential effects of underwater noise from petroleum industry activities on migrating gray whale behavior, phase II: January 1984 migration. Report No. 5586, Prepared by Bolt Beranek and Newman, Inc. for Minerals Management Service: 357.

Malme, C.I., B. Wursig, J.E. Bird, and P. Tyack. 1988. Observations of feeding gray whale responses to controlled industrial noise exposure. Pages 55-73 *in* W.M. Sackinger and M.O. Jefferies, eds. *Port and Ocean Engineering Under Arctic Conditions, Volume II*. University of Alaska Fairbanks: 131.

- Mate, B., B. Lagerquist, and L. Irvine. 2010. Feeding habitats, migrations and winter reproductive range movements derived from satellite-monitored radio tags on eastern North Pacific gray whales. Scientific Committee Report SC/62/BRG21, International Whaling Commission: 22.
- Mate, B., A. Bradford, G. Tsidulko, V. Vertyankin, and V. Ilyashenko. 2011. Late-feeding season movements of a western North Pacific gray whale off Sakhalin Island, Russia and subsequent migration into the eastern North Pacific. Scientific Committee report SC/63/BRG23, International Whaling Commission: 7.
- May-Collado, L. and I. Agnarsson. 2006. Cytochrome *b* and Bayesian inference of whale phylogeny. *Molecular Phylogenetics and Evolution* **38** (2):344-354.
- Merrick, R.L., D.G. Calkins, and D.C. McAllister. 1992. Aerial and ship-based surveys of Steller sea lions (*Eumetopias jubatus*) in southeast Alaska, the Gulf of Alaska, and Aleutian Islands. NOAA Technical Memorandum NMFS-AFSC-1, National Marine Fisheries Service: 52.
- Minobe, S. 2002. Interannual to interdecadal changes in the Bering Sea and concurrent 1998/99 changes over the North Pacific. *Progress in Oceanography*. 55(1-2):45-64.
- Mitson, R.B (ed.). 1995. Underwater noise of research vessels: Review and recommendations. Cooperative Research Report No. 209, International Council for the Exploration of the Sea: 65.
- Moore, S.E., J. Urban, W.L. Perryman, F. Gulland, H. Perez-Cortes, P.R. Wade, et al. 2001. Are gray whales hitting "K" hard? *Marine Mammal Science* **17** (4):954-958.
- Morton, A.B. and H.K. Symonds. 2002. Displacement of *Orcinus orca* (L.) by high amplitude sound in British Columbia, Canada. *ICES Journal of Marine Science* **59** (1):71-80.
- Moulton, V.D., W.J. Richardson, R.E. Elliott, T.L. McDonald, C. Nations, and M.T. Williams. 2005. Effects of an offshore oil development on local abundance and distribution of ringed seals (*Phoca hispida*) of the Alaskan Beaufort Sea. *Marine Mammal Science* **21** (2):217-242.
- NIOSH (National Institute for Occupational Safety and Health). 1998. Criteria for a recommended standard: Occupational noise exposure. United States Department of Health and Human Services, Cincinnati, OH.
- NMFS (National Marine Fisheries Service). 2008. Revised recovery plan for the Steller sea lion eastern and western distinct population segments (*Eumetopias jubatus*). National Marine Fisheries Service: 325.
- NRC (National Research Council). 2003. Ocean noise and marine mammals. National Academy of Sciences: 220.
- Nedwell, J. and B. Edwards. 2002. Measurements of underwater noise in the Arun River during piling at County Wharf, Littlehampton. Report No. 513R0108, Prepared by Subacoustech, Ltd. for David Wilson Homes, Ltd.: 28.
- Nowacek, D.P., L.H. Thorne, D.W. Johnston, and P.L. Tyack. 2007. Responses of cetaceans to anthropogenic noise. *Mammal Review* **37** (2):81-115.

- O'Corry-Crowe, G.M., K.K. Martien, and B.L. Taylor. 2003. The analysis of population genetic structure in Alaska harbor seals, *Phoca vitulina*, as a framework for the identification of management stocks. Administrative Report LJ-03-08, National Marine Fisheries Service: 68.
- Oestman, R., D. Buehler, J. Reyff, and R. Rodkin. 2009. Technical guidance for assessment and mitigation of the hydroacoustic effects of pile driving on fish. Prepared by ICF Jones & Stokes and Illingworth & Rodkin, Inc. for the California Department of Transportation: 298.
- Olesiuk, P.F. and A.W. Trites. 2003. COSEWIC assessment and update status report on the Steller sea lion (*Eumetopias jubatus*) in Canada. Committee on the Status of Endangered Wildlife in Canada: 54.
- Olesiuk, P.F. 2008. Abundance of Steller sea lions (*Eumetopias jubatus*) in British Columbia. Canadian Science Advisory Secretariat Research Document 2008/063, Fisheries and Oceans Canada: 33.
- Pearson, W.H., J.R. Skalski, and C.I. Malme. 1992. Effects of sounds from a geophysical survey device on behavior of captive rockfish (*Sebastes* spp.). Canadian Journal of Fisheries and Aquatic Sciences **49**:1343-1356.
- Pitcher, K.W., P.F. Olesiuk, R.F. Brown, M.S. Lowry, S.J. Jeffries, J.L. Sease, et al. 2007. Abundance and distribution of the eastern North Pacific Steller sea lion (*Eumetopias jubatus*) population. Fishery Bulletin **105** (1):102-115.
- Popper, A.N. and M.C. Hastings. 2009. The effects of anthropogenic sources of sound on fishes. Journal of Fish Biology **75** (3):455-489.
- Punt, A.E. and P.R. Wade. 2010. Population status of the eastern North Pacific stock of gray whales in 2009. NOAA Technical Memorandum NMFS-AFSC-207, National Marine Fisheries Service: 53.
- Rand, G. 2011. Final marine mammal monitoring report 2011: Manette Bridge Replacement Project. Prepared by David Evans & Associates, Inc. for Washington State Department of Transportation: 36.
- Reichmuth, C. and M.M. Holt. 2013. Comparative assessment of amphibious hearing in pinnipeds. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural and Behavioral Physiology **199** (6):491-507.
- Reyff, J. 2007. Compendium of pile driving sound data. Prepared by Illingworth & Rodkin, Inc. for the California Department of Transportation: 129.
- Richardson, W.J., C.R. Greene, C.I. Malme, and D.H. Thomson. 1995. Marine Mammals and Noise. Academic Press, Inc., San Diego, California.
- Ridgway, S.H., D.A. Carder, R.R. Smith, T. Kamolnick, C.E. Schlundt, and W.R. Elsberry. 1997. Behavioral responses and temporary shift in masked hearing threshold of bottlenose dolphins, *Tursiops truncatus*, to 1-second tones of 141 to 201 dB re 1 μ Pa. Technical Report 1751, Naval Command, Control and Ocean Surveillance Center: 32.

- Riedman, M. 1990. The pinnipeds: Seals, sea lions, and walruses. University of California Press, Berkeley, CA.
- Rodkin, I. 2013. Naval Base Kitsap at Bangor, Trident Support Facilities Explosive Handling Wharf (EHW-2) project: acoustic monitoring report.
- Schlundt, C.E., J.J. Finneran, D.A. Carder, and S.H. Ridgway. 2000. Temporary shift in masked hearing thresholds of bottlenose dolphins, *Tursiops truncatus*, and white whales, *Delphinapterus leucas*, after exposure to intense tones. Journal of the Acoustical Society of America **107** (6):3496-3508.
- Scholik, A.R. and H.Y. Yan. 2001. The effects of underwater noise on auditory sensitivity of fish. Proceedings of the Institute of Acoustics **23** (4):27.
- Scholik, A.R. and H.Y. Yan. 2002. The effects of noise on the auditory sensitivity of the bluegill sunfish, *Lepomis macrochirus*. Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology **133** (1):43-52.
- Scholin, C.A., F. Gulland, G.J. Doucette, S. Benson, M. Busman, F.P. Chavez, et al. 2000. Mortality of sea lions along the central California coast linked to a toxic diatom bloom. Nature **403** (6765):80-84.
- Sease, J.L., W.P. Taylor, T.R. Loughlin, and K.W. Pitcher. 2001. Aerial and land-based surveys of Steller sea lions (*Eumetopias jubatus*) in Alaska, June and July 1999 and 2000. NOAA Technical Memorandum NMFS-AFSC-122, National Marine Fisheries Service: 60.
- Skalski, J.R., W.H. Pearson, and C.I. Malme. 1992. Effects of sounds from a geophysical survey device on catch-per-unit-effort in a hook-and-line fishery for rockfish (*Sebastes* spp.). Canadian Journal of Fisheries and Aquatic Sciences **49**:1357-1365.
- Slater, M.A. 2009. Naval Base Kitsap Bangor baseline underwater noise survey. Prepared by Science Applications International Corporation for BAE Systems Applied Technologies, Inc.: 23.
- Small, R. J., P. L. Boveng, G. V. Byrd, and D. E. Withrow. 2008. Harbor seal population decline in the Aleutian Archipelago. Marine Mammal Science **24**:845-863.
- Southall, B.L., A.E. Bowles, W.T. Ellison, J.J. Finneran, R.L. Gentry, C.R. Greene, et al. 2007. Marine mammal noise exposure criteria: Initial scientific recommendations. Aquatic Mammals **33** (4):411-521.
- Steiger, G.H. and J. Calambokidis. 1986. California and northern sea lions in southern Puget Sound, Washington. Murrelet **67** (3):93-96.
- Temte, J.L. 1986. Photoperiod and the timing of pupping in the Pacific harbor seal (*Phoca vitulina richardsi*) with notes on reproduction in northern fur seals and Dall porpoises. M.S. thesis. Oregon State University: 161.
- Thorson, P. and J.A. Reyff. 2006. San Francisco-Oakland Bay Bridge East Span Seismic Safety Project: marine mammal and acoustic monitoring for the marine foundations at piers E2 and

T1, January-September 2006. Prepared by SRS Technologies and Illingworth & Rodkin, Inc. for the California Department of Transportation: 51.

Tougaard, J. and L.A. Kyhn. 2010. Echolocation sounds of hourglass dolphins (*Lagenorhynchus cruciger*) are similar to the narrow band high-frequency echolocation sounds of the dolphin genus *Cephalorhynchus*. *Marine Mammal Science* **26** (1):239-245.

Tubelli, A.A., A. Zosuls, D.R. Ketten, M. Yamato, and D.C. Mountain. 2012. A prediction of the minke whale (*Balaenoptera acutorostrata*) middle-ear transfer function. *Journal of the Acoustical Society of America* **132** (5):3263-3272.

Urban R., J., D. Weller, O. Tyurneva, S. Swartz, A. Bradford, Y. Yakovlev, et al. 2013. Report on the photographic comparison of the Sakhalin Island and Kamchatka Peninsula with the Mexican gray whale catalogue. Scientific Committee report SC/65/BRG04, International Whaling Commission: 5.

Urick, R.J. 1983. *Principles of Underwater Sound*. Peninsula Publishing, Los Altos, CA.

URS, A. P. L. 2011. Ichthys gas field development project: potential effects of underwater blasting, pile driving and dredging on sensitive marine fauna in Darwin Harbor.

Veirs, V. and S. Veirs. 2005. Average levels and power spectra of ambient sound in the habitat of southern resident orcas. Unpublished report to National Marine Fisheries Service: 16.

- Viada, S.T., R.M. Hammer, R. Racca, D. Hannay, M.J. Thompson, B.J. Balcom, and N.W. Phillips. 2008. Review of potential impacts to sea turtles from underwater explosive removal of offshore structures. *Environmental Impact Assessment Review* **28** (4-5):267-285.
- Watkins, W.A. 1986. Whale reactions to human activities in Cape Cod waters. *Marine Mammal Science* **2** (4):251-262.
- Ward, W.D. 1997. Effects of high-intensity sound. Pages 1497-1507 in M.J. Crocker, ed. *Encyclopedia of Acoustics, Volume III*. John Wiley & Sons, New York.
- Wartzok, D. and D.R. Ketten. 1999. Marine mammal sensory systems. Pages 117-175 in J.E. Reynolds and S.A. Rommel, eds. *Biology of Marine Mammals*. Smithsonian Institution Press, Washington.
- Wartzok, D., A.N. Popper, J. Gordon, and J. Merrill. 2003. Factors affecting the responses of marine mammals to acoustic disturbance. *Marine Technology Society Journal* **37** (4):6-15.
- WDFW (Washington Department of Fish and Wildlife). 2012. Threatened and endangered wildlife in Washington: 2011 Annual Report. Washington Department of Fish and Wildlife: 180.
- WSDOT (Washington State Department of Transportation). 2011. Manette Bridge replacement project marine mammal monitoring weekly reports 2010-2011. Unpublished reports prepared by David Evans and Associates, Inc. for Washington State Department of Transportation.
- WSDOT. 2012. Final marine mammal and marbled murrelet monitoring report 2012: Manette Bridge Replacement Project. Prepared by David Evans & Associates, Inc. for Washington State Department of Transportation.
- Weilgart, L.S. 2007. A brief review of known effects of noise on marine mammals. *International Journal of Comparative Psychology* **201** (2-3):159-168.
- Weller, D.W., A. Klimek, A.L. Bradford, J. Calambokidis, A.R. Lang, B. Gisborne, et al. 2011. Movements of western gray whales from the Okhotsk Sea to the eastern North Pacific. Scientific Committee report SC/63/BRG6, International Whaling Commission: 5.
- Weller, D.W., A. Klimek, A.L. Bradford, J. Calambokidis, A.R. Lang, B. Gisborne, et al. 2012. Movements of gray whales between the western and eastern North Pacific. *Endangered Species Research* **18** (3):193-199.
- Westlake, R.L. and G.M. O'Corry-Crowe. 2002. Macrogeographic structure and patterns of genetic diversity in harbor seals (*Phoca vitulina*) from Alaska to Japan. *Journal of Mammalogy* **83** (4):1111-1126.

Wiles, G.J. 2004. Washington State status report for the killer whale. Washington State Department of Fish and Wildlife: 120.

Yelverton, J.T., D.R. Richmond, E.R. Fletcher, and R.K. Jones. 1973. Safe distances from underwater explosions for mammals and birds. Report No. 3114T, Defense Nuclear Agency: 70.